

Generic Project Special Provisions and Standard Specifications

Andy Warhol:

" They say that time changes things, but you actually have to change them yourself."

Presented by:
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Generic Project Special Provisions

Revised items:

- 1.4 Pedestals (1098-13) - Greater detail on materials for anchor bolts, washers and nuts
- 1.5 Beacon Controller Assemblies (1098-16) – Add a surge-protected duplex receptacle



Generic Project Special Provisions

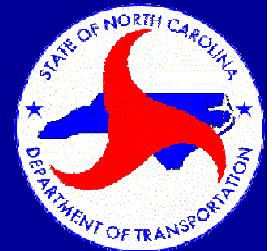
Revised items:

- 1.7 Junction Boxes Construction Methods
(1716-3) – Provide coordinates for all junction boxes and equipment cabinets at the intersection in both a digital and hard copy format.



Generic Project Special Provisions

NCDOT Inv #	Name	Location	Latitude	Longitude	Manufacturer	Model #
05-0134	Equipment Cabinet	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5500	35.6873	McCain	Type-332
05-0134	Junction Box # 1 (Phase 2 Side)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5516	35.6879	Quazite	PG118BA12(Box) PG118HA00(Cover)
05-0134	Junction Box # 2 (Phase 2 Side)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5506	35.6876	Quazite	PG118BA12(Box) PG118HA00(Cover)
5-0134	Junction Box # 3 (Near Cabinet)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5501	35.6873	Quazite	PG118BA12(Box) PG118HA00(Cover)
05-0134	Junction Box # 4 (Phase 6 Side)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5486	35.6873	Quazite	PG118BA12(Box) PG118HA00(Cover)
05-0134	Junction Box # 5 (Phase 6 Side)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5493	35.6876	Quazite	PG118BA12(Box) PG118HA00(Cover)
05-0134	Junction Box # 6 (Phase 4 Side)	US 70 at Raynor Rd./ Auburn-Knightdale	-78.5503	35.6879	Quazite	PG118BA12(Box) PG118HA00(Cover)



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Revised items:

- 3.1 MATERIALS – LED signal modules must bear the Intertek ETL Verified product label
- 3.1 MATERIALS - Repaired or refurbished modules may not be used to fulfill the manufacturer's warranty obligations.



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Revised items:

- 3.1 MATERIALS – Subsection C. Pedestrian Signal Heads – Add following text:

Ensure the countdown display discontinues and goes dark immediately upon activation of a preemption transition. Ensure the countdown display begins normal operation upon the completion of the preemption sequence and no more than one pedestrian clearance cycle.



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Revised items:

- 11.3 METAL POLE WITH MAST ARM – Add label in hand hole adjacent to feeder circuit raceway to identify source of power for luminaires
- 11.4 Drilled Pier Foundations – Reduce Factor of Safety for designs



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Revised items:

- 11.7 POLE NUMBERING SYSTEM - added subsection
- 11.8 REUSED POLE SHAFTS AND/OR MAST ARMS – added subsection
- 15.6 MATERIALS - Type 170E Cabinets – Add normally closed solid-state relay as an alternate to the mercury contactor



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Sections added:

- 20. Pushbutton integrated
Accessible Pedestrian Signal (APS)
- 21. Wireless Magnetic Sensor Vehicle Detection



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Correction for next PSP update:

- Section 20.3 CONSTRUCTION METHODS

Note: The present text shown below must be revised to meet the intent of the latest MUTCD.

When a speech walk message is required at any detector station location in the intersection, use speech messages at the remaining detector stations in the intersection.



Proposed Changes to Standard Specifications

- General global changes
 - Remove all references to proprietary or branded products, ex. Burndy clamp becomes parallel groove clamp
 - Considering another asset identification system for highway appurtenances



Proposed Changes to Standard Specifications

- Subsection 1700-3 (K) Grounding – Anticipate revisions and a new Standard Drawing to clarify proper measurement techniques
- Subsection 1705-3 (C) Adding requirement to require separate lead-in cable runs for each pedestrian pushbutton
- Subsection 1710-3 Only one messenger cable allowed per pole attachment clamp



Proposed Changes to Standard Specifications

- Section 1743 Pedestals – Plan to add Extended Height Heavy-Duty Pedestal
 - Designed for 140 mph wind loading
 - Includes allowance for large sign
 - Includes breakaway transformer base





Questions?

FOR MORE INFO...



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